



ELSEVIER

Comput. Methods Appl. Mech. Engrg. 126 (1995) 393–394

---

**Computer methods  
in applied  
mechanics and  
engineering**

---

## Author Index of Volume 126

Belsky, V., see Fish, J.	1– 16
Belsky, V., see Fish, J.	17– 37
Belytschko, T., see Lu, Y.Y.	131–153
Bochev, P.V. and Gunzburger, M.D., Least-squares methods for the velocity-pressure-stress formulation of the Stokes equations	267–287
Drazetic, P., see Level, P.	239–249
Fish, J. and Belsky, V., Multigrid method for periodic heterogeneous media. Part 1: Convergence studies for one-dimensional case	1– 16
Fish, J. and Belsky, V., Multi-grid method for periodic heterogeneous media. Part 2: Multiscale modeling and quality control in multidimensional case	17– 37
Govinda Rao, H.S., see Rathod, H.T.	373–392
Gunzburger, M.D., see Bochev, P.V.	267–287
Herakovich, C.T., see Lissenden, C.J.	289–303
Hulbert, G.M. and Jang, I., Automatic time step control algorithms for structural dynamics	155–178
Idesman, A.V. and Levitas, V.I., Finite element procedure for solving contact thermoelastoplastic problems at large strains, normal and high pressures	39– 66
Iliev, S.D., Iterative method for the shape of static drops	251–265
Jang, I., see Hulbert, G.M.	155–178
Karageorghis, A., A fully conforming spectral collocation scheme for second- and fourth-order problems	305–314
Knight, Jr. N.F., see Oakley, D.R.	67– 89
Knight, Jr. N.F., see Oakley, D.R.	91–109
Knight, Jr. N.F., see Oakley, D.R.	111–129
Level, P., Oudshoorn, A., Drazetic, P. and Moraux, D., Implementation of a modal reanalysis method in a finite element analysis context	239–249
Levitas, V.I., see Idesman, A.V.	39– 66
Lin, J., see Shen, W.	315–331
Lissenden, C.J. and Herakovich, C.T., Numerical modelling of damage development and viscoplasticity in metal matrix composites	289–303
Lu, M.-W., see Zhang, Y.-G.	333–341
Lu, Y.Y., Belytschko, T. and Tabbara, M., Element-free Galerkin method for wave propagation and dynamic fracture	131–153
Moraux, D., see Level, P.	239–249
Noor, A.K., see Xu, K.	355–371
Oakley, D.R. and Knight, Jr. N.F., Adaptive Dynamic Relaxation algorithm for non-linear hyperelastic structures. Part I. Formulation	67– 89
Oakley, D.R. and Knight, Jr. N.F., Adaptive Dynamic Relaxation algorithm for non-linear hyperelastic structures. Part II. Single-processor implementation	91–109
Oakley, D.R., Knight, Jr. N.F. and Warner, D.D., Adaptive Dynamic Relaxation algorithm for non-linear hyperelastic structures. Part III. Parallel implementation	111–129
Oudshoorn, A., see Level, P.	239–249

- Padovan, J., see Parris, J. 197-222
- Padovan, J., see Parris, J. 223-237
- Parris, J. and Padovan, J., Hierarchically partitioned solution strategy for CFD applications. Part I—Theory 197-222
- Parris, J. and Padovan, J., Hierarchically partitioned solution strategy for CFD applications. Part II—Numerical applications 223-237
- Piché, R., An *L*-stable Rosenbrock method for step-by-step time integration in structural dynamics 343-354
- Rathod, H.T. and Govinda Rao, H.S., Integration of polynomials over linear polyhedra in Euclidean three-dimensional space 373-392
- Shen, W., Lin, J. and Williams, F.W., Parallel computing for the high precision direct integration method 315-331
- Tabbara, M., see Lu, Y.Y. 131-153
- Tang, Y.Y., see Xu, K. 355-371
- Warner, D.D., see Oakley, D.R. 111-129
- Williams, F.W., see Shen, W. 315-331
- Xu, K., Noor, A.K. and Tang, Y.Y., Three-dimensional solutions for coupled thermoelectroelastic response of multilayered plates 355-371
- Zhang, Y.-G. and Lu, M.-W., An algorithm for plastic limit analysis 333-341
- Zhu, D., Some theoretical aspects in computational elasto-plasticity and their application 179-196



ELSEVIER

Comput. Methods Appl. Mech. Engrg. 126 (1995) 395-398

**Computer methods  
in applied  
mechanics and  
engineering**

## Subject Index of Volume 126

### *Boundary element methods*

- Iterative method for the shape of static drops, S.D. Iliev 251-265

### *Collocation method*

- A fully conforming spectral collocation scheme for second- and fourth-order problems, A. Karageorghis 305-314

### *Coupled problems*

- Three-dimensional solutions for coupled thermoelectroelastic response of multilayered plates, K. Xu, A.K. Noor and Y.Y. Tang 355-371

### *Dynamics*

- Implementation of a modal reanalysis method in a finite element analysis context, P. Level, A. Oudshoorn, P. Drazetic and D. Moraux 239-249  
Parallel computing for the high precision direct integration method, W. Shen, J. Lin and F.W. Williams 315-331  
An *L*-stable Rosenbrock method for step-by-step time integration in structural dynamics, R. Piché 343-354

### *Elasticity*

- Three-dimensional solutions for coupled thermoelectroelastic response of multilayered plates, K. Xu, A.K. Noor and Y.Y. Tang 355-371

### *Finite element and matrix methods*

- Hierarchically partitioned solution strategy for CFD applications, J. Parris and J. Padovan 197-222  
Hierarchically partitioned solution strategy for CFD applications, J. Parris and J. Padovan 223-237  
Implementation of a modal reanalysis method in a finite element analysis context, P. Level, A. Oudshoorn, P. Drazetic and D. Moraux 239-249  
Least-squares methods for the velocity-pressure-stress formulation of the Stokes equations, P.V. Bochev and M.D. Gunzburger 267-287  
Numerical modelling of damage development and viscoplasticity in metal matrix composites, C.J. Lissenden and C.T. Herakovich 289-303  
An algorithm for plastic limit analysis, Y.-G. Zhang and M.-W. Lu 333-341

### *Fluid mechanics*

- Hierarchically partitioned solution strategy for CFD applications, J. Parris and J. Padovan 197-222  
Hierarchically partitioned solution strategy for CFD applications, J. Parris and J. Padovan 223-237

*Fracture mechanics*

- Element-free Galerkin method for wave propagation and dynamic fracture, Y.Y. Lu, T. Belytschko and M. Tabbara 131-153
- Numerical modelling of damage development and viscoplasticity in metal matrix composites, C.J. Lissenden and C.T. Herakovich 289-303

*Kinematics*

- Integration of polynomials over linear polyhedra in Euclidean three-dimensional space, H.T. Rathod and H.S. Govinda Rao 373-392

*Limit solutions*

- An algorithm for plastic limit analysis, Y.-G. Zhang and M.-W. Lu 333-341

*Nonlinear mechanics*

- Adaptive Dynamic Relaxation algorithm for non-linear hyperelastic structures, D.R. Oakley and N.F. Knight, Jr. 67- 89
- Adaptive Dynamic Relaxation algorithm for non-linear hyperelastic structures, D.R. Oakley and N.F. Knight, Jr. 91-109
- Adaptive Dynamic Relaxation algorithm for non-linear hyperelastic structures, D.R. Oakley, N.F. Knight, Jr. and D.D. Warner 111-129
- Numerical modelling of damage development and viscoplasticity in metal matrix composites, C.J. Lissenden and C.T. Herakovich 289-303

*Numerical solution procedures*

- Multigrid method for periodic heterogeneous media, J. Fish and V. Belsky 1- 16
- Multi-grid method for periodic heterogeneous media, J. Fish and V. Belsky 17- 37
- Element-free Galerkin method for wave propagation and dynamic fracture, Y.Y. Lu, T. Belytschko and M. Tabbara 131-153
- Implementation of a modal reanalysis method in a finite element analysis context, P. Level, A. Oudshoorn, P. Drazetic and D. Moraux 239-249
- Iterative method for the shape of static drops, S.D. Iliev 251-265
- A fully conforming spectral collocation scheme for second- and fourth-order problems, A. Karageorghis 305-314
- An algorithm for plastic limit analysis, Y.-G. Zhang and M.-W. Lu 333-341
- An *L*-stable Rosenbrock method for step-by-step time integration in structural dynamics, R. Piché 343-354
- Integration of polynomials over linear polyhedra in Euclidean three-dimensional space, H.T. Rathod and H.S. Govinda Rao 373-392

*Optimization and design of structures*

- Integration of polynomials over linear polyhedra in Euclidean three-dimensional space, H.T. Rathod and H.S. Govinda Rao 373-392

*Plasticity*

- Finite element procedure for solving contact thermoelastoplastic problems at large strains, normal and high pressures, A.V. Idesman and V.I. Levitas 39- 66
- Some theoretical aspects in computational elasto-plasticity and their application, D. Zhu 179-196
- An algorithm for plastic limit analysis, Y.-G. Zhang and M.-W. Lu 333-341

*Shells and plates*

- Three-dimensional solutions for coupled thermoelectroelastic response of multilayered plates, K. Xu, A.K. Noor and Y.Y. Tang 355-371



*Solutions of ordinary and partial differential equations*

- A fully conforming spectral collocation scheme for second- and fourth-order problems, A. Karageorghis 305-314

*Stability in fluid mechanics*

- Iterative method for the shape of static drops, S.D. Iliev 251-265

*Structural mechanics*

- Multigrid method for periodic heterogeneous media, J. Fish and V. Belsky 1- 16  
Multi-grid method for periodic heterogeneous media, J. Fish and V. Belsky 17- 37  
Adaptive Dynamic Relaxation algorithm for non-linear hyperelastic structures, D.R. Oakley and N.F. Knight, Jr. 67- 89  
Adaptive Dynamic Relaxation algorithm for non-linear hyperelastic structures, D.R. Oakley and N.F. Knight, Jr. 91-109  
Adaptive Dynamic Relaxation algorithm for non-linear hyperelastic structures, D.R. Oakley, N.F. Knight, Jr. and D.D. Warner 111-129  
Automatic time step control algorithms for structural dynamics, G.M. Hulbert and I. Jang 155-178  
Implementation of a modal reanalysis method in a finite element analysis context, P. Level, A. Oudshoorn, P. Drazetic and D. Moraux 239-249  
Three-dimensional solutions for coupled thermoelectroelastic response of multilayered plates, K. Xu, A.K. Noor and Y.Y. Tang 355-371

*Subsonic flow*

- Least-squares methods for the velocity-pressure-stress formulation of the Stokes equations, P.V. Bochev and M.D. Gunzburger 267-287

*Viscoelastic and viscoplastic media*

- Numerical modelling of damage development and viscoplasticity in metal matrix composites, C.J. Lissenden and C.T. Herakovich 289-303

*Wave motion*

- Element-free Galerkin method for wave propagation and dynamic fracture, Y.Y. Lu, T. Belytschko and M. Tabbara 131-153

